

PATENT COOPERATION TREATY

TRANSLATION

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing
(day/month/year)

Applicant's or agent's file reference
904329

FOR FURTHER ACTION
See paragraph 2 below

International application No. PCT/JP2005/001060	International filing date (day/month/year) 27.01.2005	Priority date (day/month/year) 31.03.2004
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International Patent Classification (IPC) or both national classification and IPC

Applicant
SENOO, Takeo

1. This opinion contains indications relating to the following items:
- ☒ Box No. I Basis of the opinion
 - ☐ Box No. II Priority
 - ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 - ☐ Box No. IV Lack of unity of invention
 - ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - ☐ Box No. VI Certain documents cited
 - ☐ Box No. VII Certain defects in the international application
 - ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/001060

Box No. 1

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language
_____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

International application No.
PCT/JP2005/001060

Form PCT/ISA/237 (Box No. V) (January 2004)

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International Patent Classification (IPC) or both national classification and IPC			
Applicant SENOO, Takeo			

1. This opinion contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the opinion |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
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| <input type="checkbox"/> | Box No. VI | Certain documents cited |
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3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP Facsimile No.	Authorized officer Telephone No.
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INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/001060

Box No. 1

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4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/JP2005/001060

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-5</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-5</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-5</u>	YES
	Claims		NO

2. Citations and explanations:

Document 1: JP, 2002-066549, A (Zenro SENOO), 5 March, 2002 (05.03.02), Par. Nos. [0008]-[0018]; Figs. 2 and 3 (Family : none)

Document 2: JP, 08-155430, A (Hidetoshi KOBAYASHI), 18 June, 1996 (18.06.96), Par. Nos. [0001]-[0008]; Figs. 1 and 2 (Family: none)

Document 3: JP, 02-031883, A (Atsuo YOSHIDA), 1 February, 1990 (01.02.90), Page 1, line 1-page 3, line 5; Fig. 1 (Family: none)

Document 4: JP, 2000-210596, A (Dowa Mining Co., Ltd.), 2 August, 2000 (02.08.00), Par. No. [0006]; Fig. 2 (Family: none)

Document 5: JP, 11-319636, A (Kabushiki Kaisha Ikeuchi), 24 November, 1999 (24.11.99), Par. Nos. [0016]-[0033]; Figs. 1-3 (Family: none)

Document 6: JP, 2002-224590, A (Osaka Gas Co., Ltd.), 13 August, 2002 (13.08.02), Par. Nos. [0008]-[0013]; Figs. 1-8 (Family: none)

The subject matters of claims 1-5 appear to be novel and to involve an inventive step in view of the documents cited in the ISR.

In the inventions of water purifiers described in documents 1-3, the technique of forming the nozzle opening in a shape defined by one line or a combination of plural lines is not obvious to a person skilled in the art. Employing such a shape for the nozzle opening is considered to have the special effect of allowing the discharged water to be admixed with sufficient air even if a larger-size nozzle is employed.